CATALOGUE

The Q. S. Backus Co.

PATENT HEATERS

FACTORY AND HOME OFFICE AT

Brandon, Vermont, U. S. A.

The Q. S. Backus Co.,

Sole Manufacturers of

The Backus Patent Portable Steam Radiators

UNDER LETTERS PATENT GRANTED TO Q. S. BACKUS AS FOLLOWS:

No. 334,504
" 344,511
" 344,512
" 344,513
No. 374,333
" 374,649
" 390,743

TO F. E. BACKUS: No. 485,079
" 560,017
" 563,005

for Gaseous fuel, Radiating Mantels, Tiles, Open Fireplaces, Gas Logs, Etc.

To the Public

We present this Catalogue to the public after having some 32,000 of the Backus Heaters in actual use, covering a period of ten years, heating entire houses to the exclusion of all other heat. We guarantee to give perfect satisfaction as regards quality of atmosphere by the use of gas as fuel, and that there is no system known that can produce the same results from a stated quantity of fuel as the Backus Heater; and we further agree that where we know the size of the room, the quality of gas and the pressure of the same, to give perfect satisfaction to the purchaser, or we will take the Heater out and refund the money paid. As an ornament in a room, outside of its merits as a heater, there is nothing which will take its place.

The Q. S. Backus Company,

Brandon, Vermont.

A Revolution in Heating

The Maximum of Heat, Cheerfulness, Economy, Cleanliness and Comfort, With the Minimum of Cost, Labor and Attention.

The Backus Patent Steam Radiator and Heater

PORTABLE, OPEN, REFLECTING AND STEAM RADIATING.

Utilizes every unit of heat in the fuel. No waste. No odor. No smoke. No flues nor chimneys. Possesses all the cheerfulness of the open grate and none of its disadvantages, and can be placed either in the ordinary fireplace, or in any position in any apartment.
Gas for fuel and a match for kindling.

GAS USED IN A BACKUS HEATER MEANS

You can heat Houses more successful than you can with coal.
Have a Cheerful Open Fireplace.
Steam Heat in Mantel now in use.
If no Mantel in room, it forms its own.
No Chimney required.
No Smoke, Dust or Ashes.
Heat drawn same as Water.
When not wanted, turn off.

Entire Houses Heated with this System. 32,000 Now in Use.

The Only Heater Made that can heat a room or the entire building in competition with coal.

It will **Save the Price of Heater** over any other made (when used for heating purposes) that does not infringe on our patents.

For **Adaptability, Convenience, and Beauty,** we invite the public to examine and make comparison.

The Backus Patent Heater

Forms Complete Steam Plant, Combining in one piece Steam Radiator to fit into a mantel piece already in the room or mantel complete with Log or Boiler, Back and Jamb, Fire Border, Hearth, Fender and Andirons, making a Complete Open Fireplace with Steam Heat having the appearance when in use of burning wood. The fuel is gas, conveyed through pipe into burner under the Boiler or Log, which contains sufficient water when converted into steam to fill the surrounding radiator. The pressure of the gas when it enters the burner takes in sufficient air to make perfect combustion and increases the volume of flame and heating capacity about sixteen times. This heat is applied to produce steam from the small body of water contained in the Log or Boiler, which distributes the heat over the radiating surface as one is to seventeen hundred.

Purifies the Air. The air of the room or rooms, attracted by the flame comes in contact with this surface, becomes heated and a constant circulation is therefore created. This circulation carries all the air of the apartment through the flame, the dust, microbes and organic matter being destroyed by fire and leaving the air absolutely pure. To restore the air to normal condition and put back the 22 per cent. of moisture, which in heating is absorbed, the lower part of the lower Log is filled with water and the heat from the burner produces just sufficient vapor to replace the moisture, giving normal condition at all times. The conveying of the fuel and generating the steam within the space to be heated saving boiler valves and pipe connections. One foot of radiating surface is equal to four feet where the heat is generated and conveyed to the space from a central point.

Every Heat Unit Utilized.

Not over one heat unit in six that the fuel contains ever reaches the space to be heated in any system where the heat is generated from a central locality. It is either lost in transmitting, goes up the chimney or remains in and around where it is produced.

In the Backus System *every heat unit contained in the fuel is saved* and delivered within the space and allows gas, which contains only about one-sixth the number of heat units in the coal, to be used in competition. By its use there is a more healthy condition of air produced than any other system of heating known, giving a normal condition, destroying all dust, microbes and organic matter and purifying the air by fire.

The Backus Heater Not an Experiment.

The use of the Backus Heater for heating *is not an experiment. Over 32,000 now in use*, in many cases heating entire buildings, without chimneys or other heating appliances. In Boston and vicinity there is now consumed through the Backus Heater for heating purposes *over one hundred million feet of gas yearly*. It is the only Heater made that can use gas for fuel in competition with coal, and when so used will save its cost yearly over any system used for heating purposes.

It is not a gas stove but a Steam Heater. In buying a Backus Radiator you get Fender, Hearth Andirons, Back and Jamb, Fire Border, Gas Log or Boiler, and Steam Radiator, which takes the place of a tiling in your mantel piece, or forms its own mantel. Can be used in place of your steam radiator now in use and save the necessity of heating a large body of water in order to get the necessary heat in one room. At the same time makes A BEAUTIFUL OPEN FIREPLACE, WITHOUT CHIMNEY CONNECTIONS.

Costs Less to Install and Operate

It costs less to install than any other system. It saves the necessity of putting in Boiler with its pipes and connections, as each Radiator has its own Boiler.

It saves three-fourths of the radiating surface necessary where the steam or hot water is conveyed from a central locality.

The following example of the products of combustion of 1,000 feet of ordinary illuminating gas will show conclusively the insignificant amount of carbonic acid gas which is produced.

Amount of Carbonic Gas Produced Insignificant.

1 lb. of carbon produces 3.66 lbs. carbonic acid gas.
1 lb. average best American coal gas, or 31 cubic feet, contains about 0.34 lbs. carbon.
0.34 lbs. carbon produces 1.24 lbs. carbonic acid gas.
1 lb. carbonic acid equals 8.59 cubic feet.
1.24 lbs. carbonic acid equals 10.65 cubic feet.

One cubic foot illuminating gas therefore produces 0.34 cubic feet carbonic acid gas.

Since the maximum amount of gas a radiator consumes never exceeds 25 cubic feet per hour, the amount of carbonic acid produced would be 8.5 cubic feet, and for six hours, 51 cubic feet, or in a room 20 x 20 x 12 say 5,000 cubic feet, only 1 per cent., which, of course is negligible.

Artistic and Ornamental as Well as Useful.

One of the special and invaluable features of the Backus Heater is the highly artistic and ornamental effects that can be produced by their universal introduction. No single piece of furniture or ornamentation that might be added to a room could be as effectieve as the introduction of one of these Heaters.

The Heaters are destined to meet the most varied requirements of all forms of social life, and are made to vary from the plainest forms to the richest and most highly ornamental designs which it is possible for the artist and metal worker to conceive and execute, so that they are at once capable of being used in the humblest apartment as well as within the walls of a palace. They can be had in all shapes and colors, toned or shaded to suit every variety of taste, and harmonize with the surroundings in the apartment.

ADVANTAGES In Favor of the Backus Heater.

The present methods of heating, with their thousand objectionable features, entailing unnecessary labor and annoyances, and yet failing to accomplish the desired results, must be relegated to the shades of barbarism and a lower form of civilization, when we consider the advantages of the only complete, perfect and really scientific system of heating ever devised.

They may be briefly stated as follows :

HEALTH.

ECONOMY.

EFFICIENCY.

ADAPTABILITY.—The Heaters are adapted for heating any kind of an apartment, and are invaluable in a large hotel or apartment house, where it may be necessary to heat only a few rooms for a few hours at a time.

SAFETY,—No danger from defective flues.

The use of gas for fuel.

A pure atmosphere in normal hygrometic condition.

Cleanliness and convenience.

Freedom from dust and ashes

The combination of open fireplace and steam heat.

Ornamental appearance.

The combination of a heater and mantel.

Moderate prices according to degree of ornamentation and decoration.
The ability to dispense with chimneys and flues in a house or room.
Circulation of the air.
Purification of the air by passing in and through the flame, thereby consuming dust and microbes.
Ease of operating and manipulating. The Heater can be operated by a child, with a match for kindling.
Perfection of control and regulation of the temperature.
Possibility of heating one or more rooms without the expense and waste of heating the entire house.
Economy in construction of new houses ; no fireplace, flues or chimney being required.
In a word, it combines the advantages of all other methods with none of their defects.

It is impossible to appreciate *all* of the advantages of the Backus Heater over all other systems for heating until you have lived with them in your home.

Claims for the Backus System Substantiated by Testimonials from Actual Users.

Finally, the question discussed as to the efficiency, economy and healthfulness of the Backus Heater, considered from a merely abstract point of view, would only influence those who would take the trouble to reason out for themselves the truth of such statements. There is only one conclusion to draw, however, when these questions are answered directly by thousands who have lived with the Heater in practical daily operation for a year or more, and whose statements and opinions (many of them entirely unsolicited) constitute the most remarkable testimonials that have been bestowed on any invention in modern times—and that is that the Backus Heater is destined to accomplish the most remarkable revolution in domestic economy of any invention of the age. Its application is universal, and its possibilities inconceivable. Every house on earth, be it a cottage or a palace, inhabited by civilized human beings, needs one or more Backus Heaters. We have now in actual use 32.000 Backus Heaters and can refer to all of them. We also have on file at our office thousands of unsolicited written testimonials which we can furnish if desired. Also reports from the highest authorities of tests made on the heat, atmosphere and healthful construction of the Backus Heaters, all of which can be furnished if desired.

THE Q. S. BACKUS, COMPANY,

BRANDON, VERMONT

DESCRIPTIVE PRICE LIST.

No. 1.

For Bath Rooms and small Bedrooms, 8x10 feet, with eight feet gas per hour.

PRICE:	Finished in Ebony Black,	$18 00
	In Gold Bronze,	19 00
	In Oak, Walnut, Mahogany,	20 00
	In White and Gold, or Tile Colors,	22 00
	In Oak, Walnut, Mahogany, or Cherry with Front Electro Plated, either in Oxidized Brass, Bronze, Copper, or Nickel,	25 00

No. 2.

For heating rooms 10x10x10 feet, with 12 feet of gas per hour.

PRICE:	Finished in Ebony Black Front, Radiator Bronzed, with Nickel Andirons and Fender Rails,	$25 00

No. 3.

Same as No. 2, but with Mantel Shelf and Frieze Covering Radiator, with two Circular Burners in Top Shelf, upon which Oven, Kettle, etc., can be placed, combining a Cooking Range, Steam Heater and Open Fireplace.

PRICE:	Finished in Ebony Black, with Nickel Andirons and Rails,	$35 00
	In Oak, Walnut, Cherry, Mahogany, with Brass Andirons and Fender Rails,	40 00

Will give sufficient heat for a room 10x10x10 feet, in zero weather, by use of 12 feet of illuminating gas per hour, 18 candle power.

No. 4.

Same as No 3, but without cooking attachment.

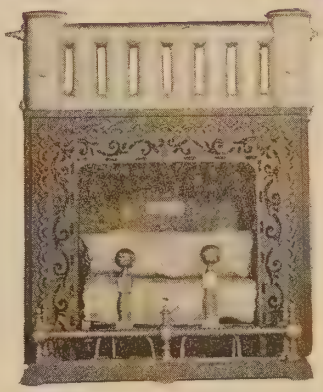
PRICE:	Finished in Ebony Black, Nickel Andirons and Fender Rails,	$30 00
	In Oak, Cherry, Mahogany, Walnut, with Brass Andirons and Rails,	35 00
	In White and Gold and Tile Colors,	37 00

THE BACKUS PATENT STEAM RADIATING MANTEL AND OPEN FIREPLACE.

Open Fireplace.

Steam Heat.

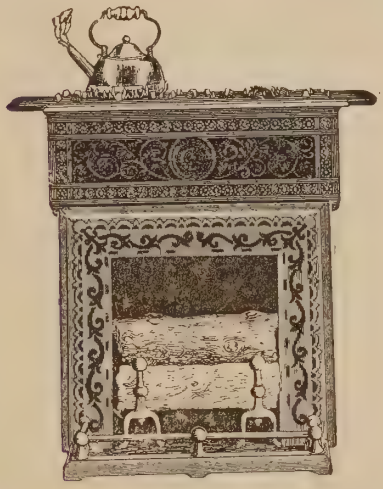
No 1. 33 inches high, 22 inches wide, 7 inches deep.



No. 2. 32 inches high, 25 inches wide, 9 inches deep.

Gas for Fuel.

No Chimney.



No. 3. 33 inches high, 33 inches wide, 9 inches deep. Cooking attachment under top shelf.

No. 4. Same as No. 3 without cooking attachment.

THE BACKUS PATENT STEAM RADIATING MANTEL AND OPEN FIREPLACE

DESCRIPTIVE PRICE LIST.

No. 5.

Mantel complete, with Gas Logs, Back and Sides, Brass Andirons, Iron Fenders, Brass Rails.

PRICE:	Finished in Ebony Black, Black and Silver or Gold, ...	$40 00
	In Walnut, Oak, Mahogany, or Cherry, ...	42 50
	In White and Gold, Ivory and Gold, or Tile Colors, ...	45 00

Will give sufficient heat for a room 15x15x12 feet, in zero weather, by use of 15 feet of illuminating gas per hour, 18 candle power.

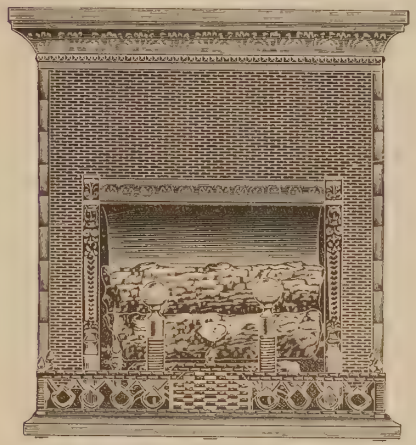
No. 6.

Mantel complete, with Gas Logs, Back and Sides, Brass Andirons and Fender rails.

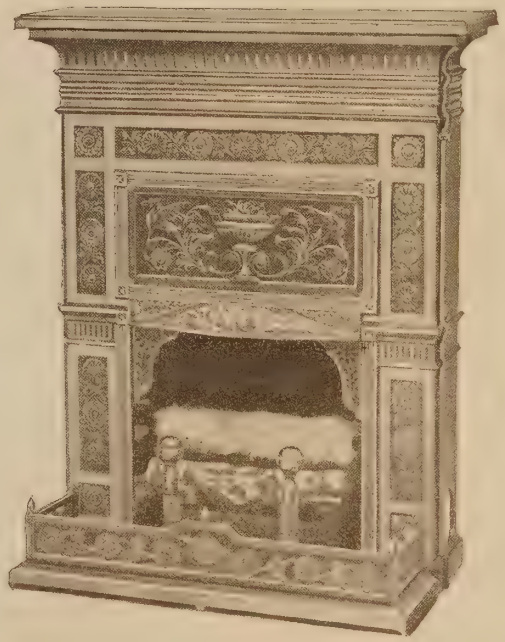
PRICE:	Finished in Ebony, Black and Gold, ...	$45 00
	In Cherry, Walnut or Mahogany, with Brass Andirons and Fender Rails, ...	50 00
	In White and Gold, Old Ivory and Tile Colors, ...	60 00

Will give sufficient heat for a room 20x20x12, in zero weather, by the average use of 15 feet of illuminating gas per hour, 18 candle power.

THE BACKUS PATENT STEAM RADIATING MANTEL AND OPEN FIREPLACE



No. 5. Backus Patent Mantel Heater. Size, 33¼ inches high, 32¼ inches wide, 9¼ inches deep.



No. 6. Backus Patent Mantel Heater. Represents Mantel with Open Fireplace. No. chimney. Steam heat. Gas for fuel. Sizes 47½ inches high, 37½ inches wide, 9 inches deep.

THE BACKUS PATENT STEAM RADIATING MANTEL AND OPEN FIREPLACE.

No. 7.

Mantel complete with Gas Logs, Back and Sides, Brass Andirons, Iron Fender, Brass Rails.

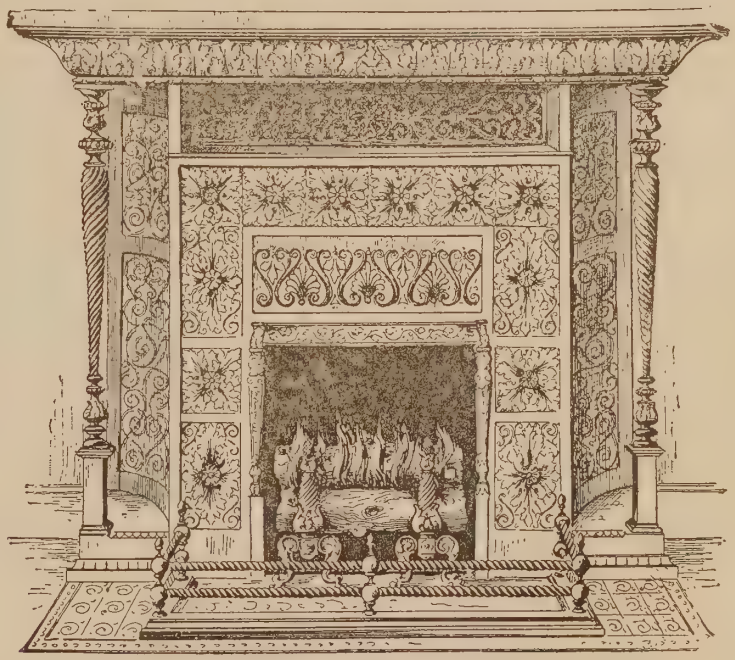
PRICE: Finished in Walnut, Oak, Mahogany with Oxidized Brass, Copper, Nickel or Bronze Center, $85,00

In White and Gold, Cream and Gold, with Old Ivory Center or Tile Colors, . . . 90 00

Without Andirons and Fenders, $10.00 less.

Will give sufficient heat for a room 20x20x12 feet, in zero weather, by use of 15 feet of illuminating gas per hour, 18 candle power.

THE BACKUS PATENT STEAM RADIATING MANTEL AND OPEN FIREPLACE.



No. 7. 49 inches high, 61 inches wide, 10 inches deep.

THE BACKUS PATENT STEAM RADIATING MANTEL AND OPEN FIREPLACE

DESCRIPTIVE PRICE LIST.

No. 8.

Mantel complete, with Gas Logs, Back and Sides, Brass Andirons, Iron Fenders and Brass Rails.

PRICE : Finished in Oak, Walnut, Mahogany, or Cherry, with Oxidized Nickel, Brass, Bronze, or Copper Center, ... $100 00

In Oxidized Brass, Bronze, Copper, or Nickel, ... 125 00

In Enameled White and Gold Leaf, ... 110 00

This Mantel represents a piece of work which could not be duplicated in design and finish in wood, for less than $500.00. Will give sufficient heat for a room 20x20x12, at zero weather, by the use of 15 feet of illuminating gas per hour, 18 candle power.

THE BACKUS PATENT STEAM RADIATING MANTEL AND OPEN FIREPLACE

No. 8. 50 inches high, 66 inches wide, and 13 inches deep.

The Backus Patent Heaters,

Nos. 9, 10, 11, 12, 13, 14, 15, 16, 17, 21, 22, 23, 24, and 25, are STEAM RADIATING TILES INTENDED TO FIT INTO MANTELS ALREADY IN ROOMS.

We show on the following pages these Heaters and give the sizes of each, and we also show some of them in Wood Mantels, which will give an idea of how they look placed in Wood Mantels and taking the place of Tiling.

We can furnish this line of Wood Mantels with our Heaters, and can also submit other designs of Mantels and they can be made to fit the Backus Heaters.

We are prepared to furnish Wood Mantels at very low prices.

DESCRIPTIVE PRICE LIST.

No. 9.

To fit into Mantel already in the room, forming the front or tiling, with open fireplace complete, and requires an opening in Mantel for hood or back to go into, of 19 inches high by 18 inches wide by 2½ inches deep.

PRICE: Finished in Ebony Black, Black and Gold or Silver, or Tile colors, with Brass Andirons, Fender and Rail, ... $35 00

Finished in Oxidized Brass, Bronze, Copper, or Nickel, ... 40 00

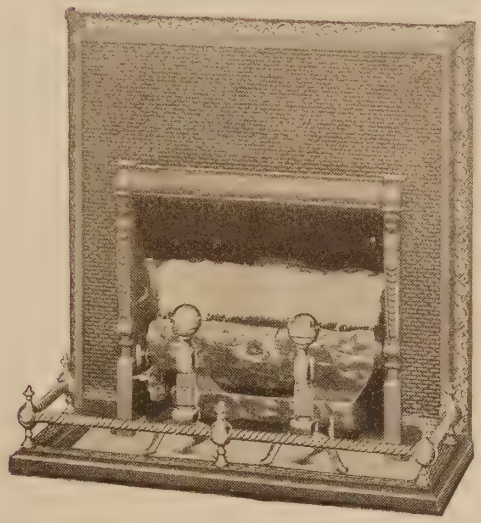
Finished in Oxidized Brass, Bronze, Copper, or Nickel, with Large Andirons, . . . 45 00

Will give sufficient heat for a room 15x15x12 feet, in zero weather, to 70 degrees, with 15 feet illuminating gas per hour, 18 candle power.

Can be placed in any room without chimney or flue; all that is necessary is to make the connection with the gas and close chimney opening.

Golden Oak Mantel, 4 feet wide, 6 feet 6 inches high, 5½ inch projection, Mirror 18 inches by 34 inches, ... 30 00

BACKUS PATENT STEAM RADIATING TILE
TO FIT INTO MANTEL ALREADY
IN ROOM.



No. 9. Size 31 inches high, 31 inches wide, 2½ inches deep.

No. 9. This cut shows No. 9 Heater set in a Mantel.

BACKUS PATENT STEAM RADIATING TILE TO FIT INTO MANTEL ALREADY IN ROOM.

DESCRIPTIVE PRICE LIST.

No. 10.

To fit into Mantel already in the room, forming the front or tiling with open fireplace complete, and requires an opening in Mantel for hood or back to go into, of 22½ inches high by 26½ inches wide by 5½ inches deep.

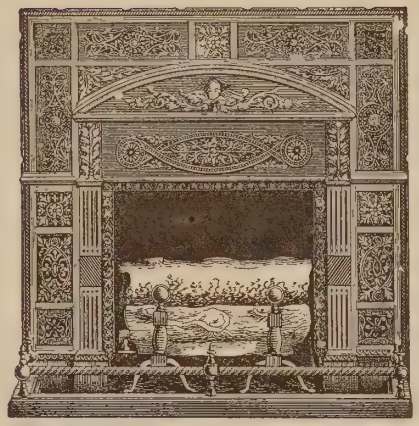
PRICE: Finished in Black, Black and Gold or Silver, Galvano and Gold or Tile Colors, Antique Brass, with Brass Andirons, Iron Fender, Single Brass Rail, ... $40 00

Will give sufficient heat for a room 20x20x12 feet, in zero weather, to 70 degrees, with the use of 15 feet of illuminating gas per hour, 18 candle power.

Can be placed in any room without chimney or flue; all that is necessary is to make the connection with the gas and close chimney opening.

Golden Oak Mantel, 4 feet wide, 6 feet 6 inches high, 5 inch projection, Mirror 18 inches by 34 inches, ... $30 00

BACKUS PATENT STEAM RADIATING TILE
TO FIT INTO MANTEL ALREADY
IN ROOM.



Outside front measurement, 36x36 inches.

Large cut on right hand shows No. 10 Heater set in a Wood Mantel.

THE BACKUS PATENT STEAM RADIATING MANTEL AND OPEN FIREPLACE

DESCRIPTIVE PRICE LIST.

No. 11.

To fit into Mantel already in the room, forming the front or tiling, with open fireplace complete, and requiring same opening in Mantel as No. 10.

Can be placed in any room without chimney or flue; all that is necessary is to make the connection with the gas and close chimney opening.

PRICE: Finished in Black, Black and Gold or Silver, Antique Brass, with Brass Andirons and Fender Rails, ... $45 00

In Galvano and Gold, or Tile Colors, ... 50 00

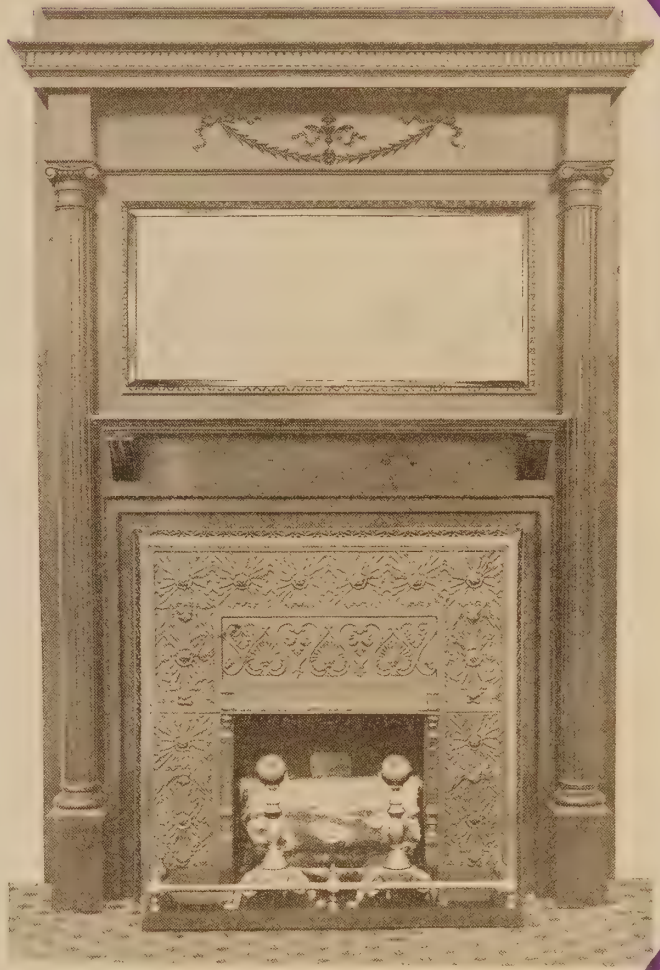
Will give sufficient heat for a room 20x20x12 feet, in zero weather, by use of 15 feet illuminating gas per hour, 18 candle power.

Golden Oak Mantel, 5 feet wide, 7 feet 6 inches high, 5½ inch projection, Mirror 18 inches by 40 inches, ... $52 00

BACKUS PATENT STEAM RADIATING TILE TO FIT INTO MANTEL ALREADY IN ROOM.

No. 11 Outside front measurment, 37¾ inches high 39 inches wide.

Large cut on on right hand shows No. 11 Heater set in a Wood Mantel.



BACKUS PATENT STEAM RADIATING TILE TO FIT INTO MANTEL ALREADY IN ROOM.

DESCRIPTIVE PRICE LIST.

No. 12.

To fit in Mantel already in the room, forming the front or tiling, with open fireplace complete, and requiring the same opening in Mantel as No. 10.

Can be placed in any room without chimney or flue ; all that is necessary is to make connection with gas and close chimney opening.

PRICE : Finished in Black, Black and Gold, Antique, or Brass, with Brass Andirons and Fender Rails, $45 00

In Galvano and Gold or Tile Colors, ... 50 00

Will give sufficient heat for a room 20x20x12 feet, in zero weather, by use of 15 feet of illuminating gas per hour, 18 candle power.

Golden Oak Wood Mantel, 4 feet 6 inches wide, 6 feet 6 inches high, 5½ inch projection, Mirror 18 inches by 36 inches, ... 25 00

BACKUS PATENT STEAM RADIATING TILE
TO FIT INTO MANTEL ALREADY
IN ROOM.

Oxtside front measurment, 37¾ inches high, 39 inches wide.

This Cut shows No. 12 Heater set in Wood Mantel.

THE BACKUS PATENT STEAM RADIATING MANTEL AND OPEN FIREPLACE

DESCRIPTIVE PRICE LIST.

No. 13.

To fit into Mantel already in the room, forming the front or tiling with open fireplace complete, and requires an opening in the Mantel for hood or back to go into, of 24 inches high by 27 inches wide by 5½ inches deep.

PRICE: Finished in Oxidized Brass, Bronze, Copper, or Nickel, with Andirons and Fender as shown in cut, ... $75 00

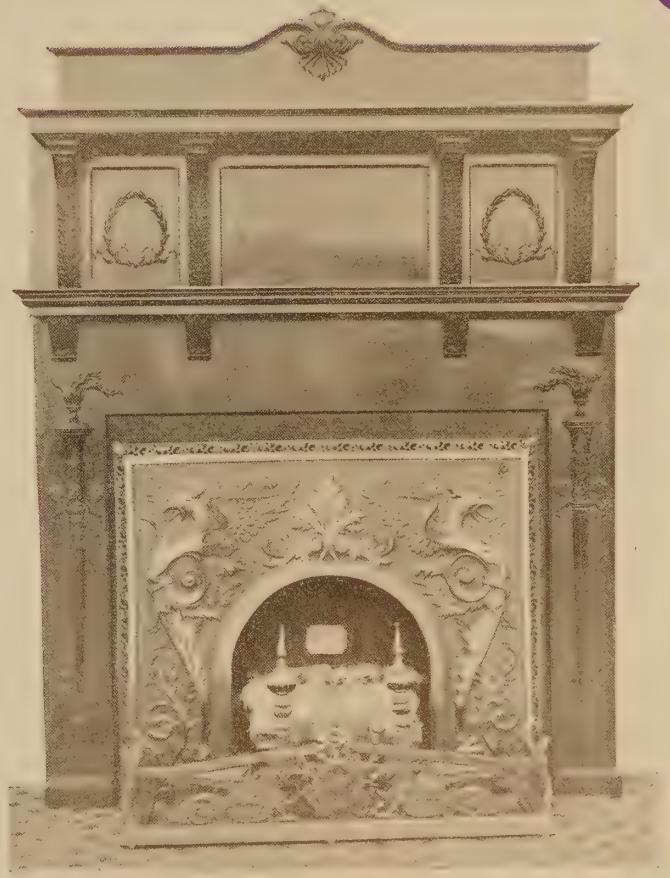
Will give sufficient heat for a room 20x20x10 feet, in zero weather, by use of 15 feet of illuminating gas per hour, 18 candle power.

Can be placed in any room without chimney or flue; all that is necessary is to make the connection with the gas and close chimney opening.

Golden Oak Wood Mantel, 5 feet wide, 6 feet 6 inches high, 5½ inch projection, ... $40 00

BACKUS PATENT STEAM RADIATING TILE
TO FIT INTO MANTEL ALREADY
IN ROOM.

Outside front Measurement, 36 inches high, 42 inches wide.



This cut shows No. 13 Heater set in Wood Mantel.

BACKUS PATENT STEAM RADIATING TILE TO FIT INTO MANTEL ALREADY IN ROOM.

DESCRIPTIVE PRICE LIST.

No. 14.

To fit in Mantel already in the room, forming the front or tiling, with open fireplace complete, and requires an opening in the Mantel for hood or back to go into, of 24 inches high, 18 inches wide and 2½ inches deep.

PRICE: Finished in Oxidized Copper, Brass, Bronze, or Nickel, with Andirons and Fender Rails, . $60 00

Finished in White and Gold or Tinted Colors and Gold, with Brass Andirons and Rope Fender Rails, ... 55 00

Finished in Black and Gold, with Brass Andirons and Rope Fender Rail, ... 50 00

Will give sufficient heat for a room 20x20x10 feet, in zero weather, by use of 15 feet of illuminating gas per hour, 18 candle power.

Can be placed in any room without chimney or flue; all that is necessary is to make connection with gas and close chimney opening.

Antique Oak Wood Mantel, 4 feet 6 inches wide, 6 feet 6 inches high, 5 inch projection, Mirror 18 inches by 36 inches, ... 40 00

BACKUS PATENT STEAM RADIATING TILE TO FIT INTO MANTEL ALREADY IN ROOM.

Outside front measurement,
34½ inches high, 36½ inches wide.

This cut shows No. 14 Backus Heater in Wood Mantel.

THE BACKUS PATENT STEAM RADIATING MANTEL AND OPEN FIREPLACE

DESCRIPTIVE PRICE LIST.

No. 15.

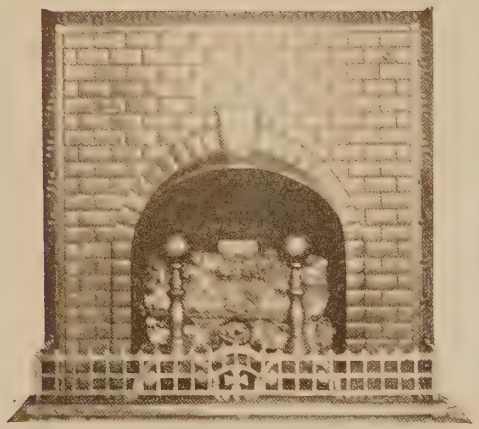
To fit into Mantel already in the room, forming the front or tiling with open fireplace complete, and requiring an opening in Mantel the same as No. 14.

PRICE: Finished in Red Brick or Tile Colors, with Brass Andirons and Fender Rails, . . . $55 00
In Oxidized Copper, Nickel, Brass or Bronze, ... 70 00

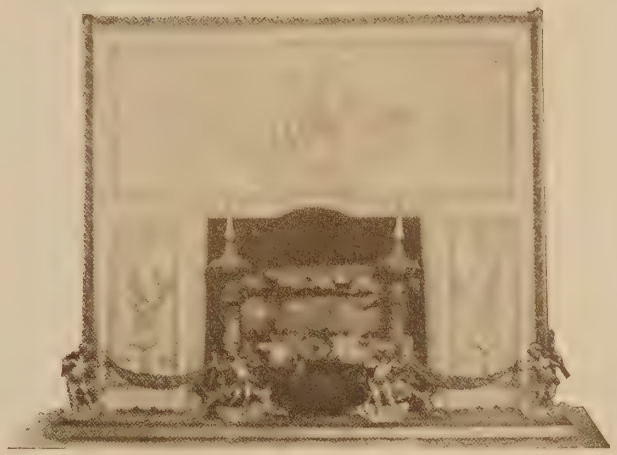
No. 16.

PRICE: Finished in Oxidized Copper, Brass, Nickel, or Bronze, with Brass Andirons and Fender, . 75 00
Will give sufficient heat for a room 20x20x10 feet, in zero weather, by use of 15 feet illuminating gas per hour, 18 candle power.

BACKUS PATENT STEAM RADIATING TILE TO FIT INTO MANTEL ALREADY IN ROOM.



No 15. Outside front measurement, 36 inches high, 36½ inches wide.



No. 16. Outside front measurement, 36½ inches high 42 inches wide.

BACKUS PATENT STEAM RADIATING TILE TO FIT INTO MANTEL ALREADY IN ROOM.

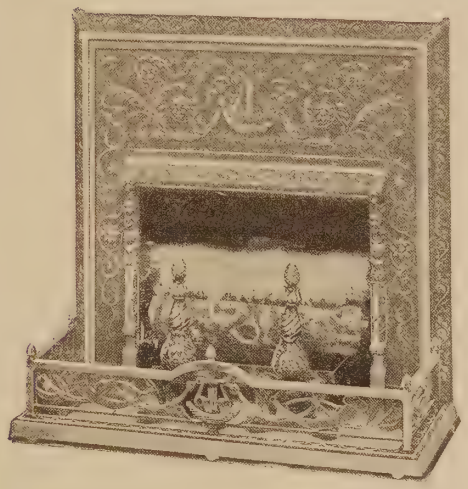
DESCRIPTIVE PRICE LIST.

No. 17.

To fit in to Mantel already in the room, forming the front or tiling, with open fireplace complete, and requires an opening in Mantel for hood or back to go into, of 19 inches high by 18 inches wide by 2½ inches deep. Same heating capacity as No. 9 Heater.

PRICE:	Finished in Oxidized Brass, Bronze, Copper, or Nickel, with Andirons and Fender Rails, .	$45 00
	Black and Gold, or white and Gold, ...	40 00
	Golden Oak Wood Mantel, 4 feet wide, 6 feet 6 inches high, 5 inch projection, Mirror 18 inches by 30 inches, ...	33 50

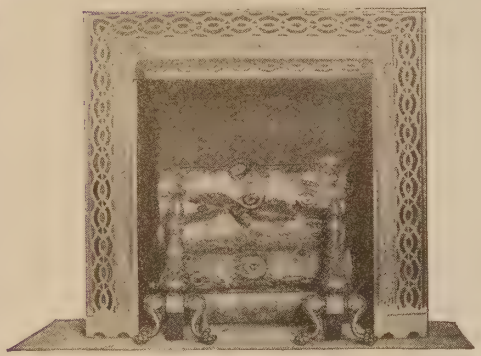
BACKUS PATENT STEAM RADIATING TILE TO FIT INTO MANTEL ALREADY IN ROOM.



Outside front measurement,
31 inches high, 31 inches wide.

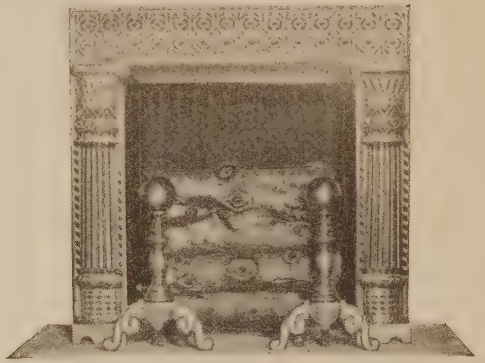
This cut shows No. 17 Backus Heater in Wood Mantel.

BACKUS PATENT STEAM RADIATING BACK AND JAMB WITH GAS LOGS.



No. 21. Finished in Oxidized Brass, Nickel, or Copper, $40.00.

These Prices complete with Andirons as per cuts.

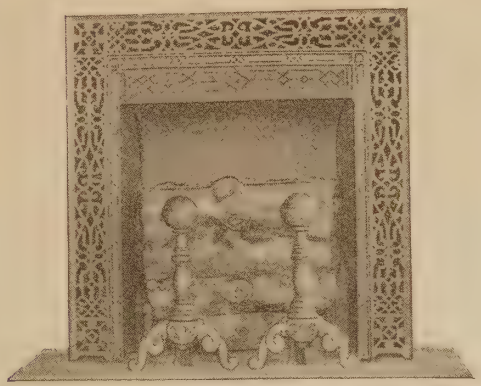


No. 22. Finished in Oxidized Brass, Nickel, or Copper, $40.00.

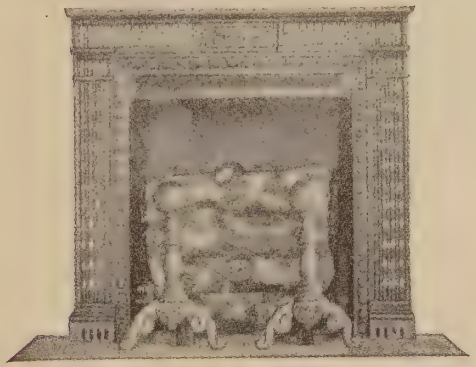
No. 23. Finished in Oxidized Brass, Nickel, or Copper, $40.00.

THE BACKUS PATENT RADIATING BACK AND JAMB HEATERS

Back and Jamb with Gas Logs are intended to fit into Mantels already in the room, and require an opening of 27 inches wide, 27½ inches high, and 10 inches deep, and the front covers a space of 31¼ inches wide and high. The Gas Log, in front, covered with Asbestos fibre, forms the boiler (containing one quart of water), is connected to the Back and Jamb, which forms the Radiator; the water is converted into steam by means of the Gas Burner, and circulates into Radiator, condenses and returns to boiler to again be converted into steam. You combine a Gas Log, Boiler and Steam Radiator, and Back and Jambs; will heat a room, in zero weather, to 70 degrees, with an average of 15 feet of gas per hour.



No. 24. Finshed in Oxidized Brass, Nickel, or Copper, $40.00.



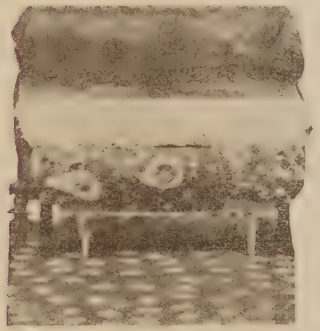
No. 25. Finished in Oxidized Brass, Nickel, or Copper, $40.00.

These Prices complete, with Andirons as per Cuts.

This cut shows No. 22 Backus Heater in Wood Mantel.

Golden Oak Mantel, 4 feet wide, 6 feet 6 inches high, 10 inches projection, Mirror 18x30, ... $33 50

BACKUS PATENT GAS LOGS No. 27.

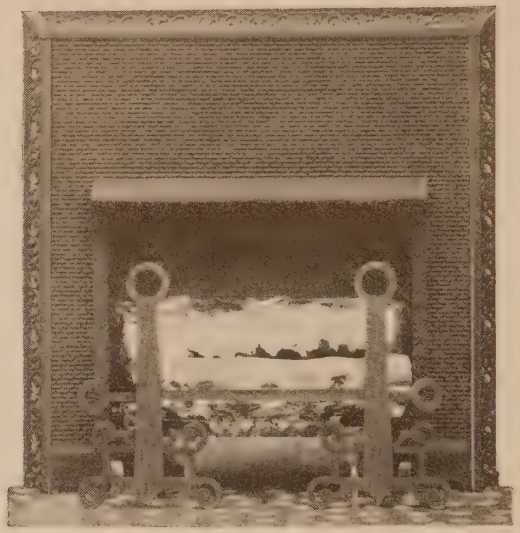


Outside dimentions 19 inches wide, 15 inches high, 5 inches deep.

No. 27. Finished to represent Oak Logs, $12.00.

GAS FOR FUEL. NO CHIMNEY.

No. 29. BACKUS PATENT IMPROVED HEATERS.



Outside dimentions 31 inches wide, 31 inches high, 2½ inches deep.

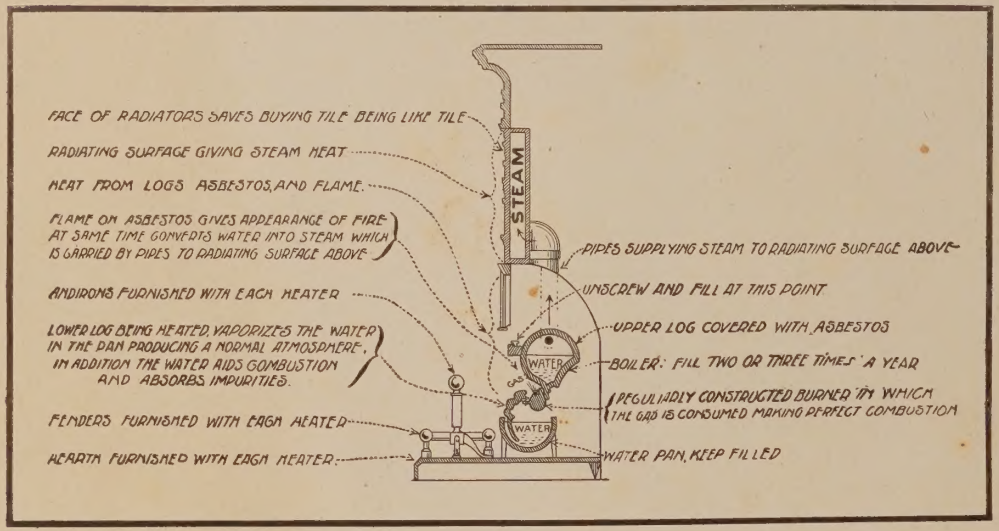
To fit into mantel already in the room, forming the front or Tiling, with open Fireplace complete. Requires an opening in Mantel for back to go into 19 inches high, 18 inches wide, 2 inches deep. Will heat a room 15 x 15 x 12 exclusive of any other heat. Finished in Ebony Black, $30.00.

Memorandum of Weights of Backus Heaters

Crated Ready for Shipment:

No. 1	Backus	Patent	Heater,	Crated,	. .	150 lbs.
No. 2	"	"	"	"	. .	250 "
No. 3	"	"	"	"	. .	270 "
No. 4	"	"	"	"	. .	270 "
No. 5	"	"	"	"	. .	335 "
No. 6	"	"	"	"	. .	450 "
No. 7	"	"	"	"	. .	650 "
No. 8	"	"	"	"	. .	800 "
No. 9	"	"	"	"	. .	250 "
No. 10	"	"	"	"	. .	300 "
No. 11	"	"	"	"	. .	350 "
No. 12	"	"	"	"	. .	350 "
No. 13	"	"	"	"	. .	450 "
No. 14	"	"	"	"	. .	370 "
No. 15	"	"	"	"	. .	370 "
No. 16	"	"	"	"	. .	450 "
No. 17	"	"	"	"	. .	250 "
Nos. 21 to 25		"	"	"	. .	330 "
No. 27 Log,		"	"	"	. .	100 "
No. 29		"	"	"	. .	200 "

SECTIONAL VIEW OF No. 6 BACKUS PATENT HEATER.


FACE OF RADIATORS SAVES BUYING TILE BEING LIKE TILE
RADIATING SURFACE GIVING STEAM HEAT
HEAT FROM LOGS ASBESTOS, AND FLAME.
FLAME ON ASBESTOS GIVES APPEARANCE OF FIRE AT SAME TIME CONVERTS WATER INTO STEAM WHICH IS CARRIED BY PIPES TO RADIATING SURFACE ABOVE
ANDIRONS FURNISHED WITH EACH HEATER
LOWER LOG BEING HEATED, VAPORIZES THE WATER IN THE PAN PRODUCING A NORMAL ATMOSPHERE, IN ADDITION THE WATER AIDS COMBUSTION AND ABSORBS IMPURITIES.
FENDERS FURNISHED WITH EACH HEATER
HEARTH FURNISHED WITH EACH HEATER
STEAM
WATER
WATER
PIPES SUPPLYING STEAM TO RADIATING SURFACE ABOVE
UNSCREW AND FILL AT THIS POINT
UPPER LOG COVERED WITH ASBESTOS
BOILER: FILL TWO OR THREE TIMES A YEAR
PECULIARLY CONSTRUCTED BURNER IN WHICH THE GAS IS CONSUMED MAKING PERFECT COMBUSTION
WATER PAN, KEEP FILLED

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